In the Claims

- 1. A method for recovering texture of a textured article comprising the steps of:
- first creating on a surface of the article a high temperature stable surface coating; and second performing a solution heat treatment on said article, thereby maintaining said thermally stable surface coating
- 10 and keeping a textured microstructure.
 - The method according to claim 1, wherein said article is made from a superalloy.
- 15 3. The method according to claim 2, wherein said superalloy is nickel-based.
 - 4. The method according to claim 2, wherein said superalloy is cobalt-based.

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- 5. The method according to claim 3, wherein a γ -phase and a γ '-phase are present in said superalloy and wherein the temperature of said solution heat treatment is at least the solution temperature of the γ '-phase.
- 6. The method according to claim 2, wherein said solution heat treatment is performed with a temperature above $1100\,^{\circ}\text{C}$.

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- 7. The method according to claim 2, wherein said solution heat treatment is performed with a temperature above $1150\ ^{0}\text{C}$.
- 35 8. The method according to claim 2, wherein said solution heat treatment is performed with a

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temperature above 1200 °C.

- The method according to claim 1,
 wherein said article is a gas turbine blade.
- 10. The method according to claim 1, wherein said surface coating is an aluminide coating.
- 11. The method according to claim 1,wherein said surface coating is an oxide film or scale generated by oxidation of the surface.
- 12. The method according to claim 10,wherein said aluminide coating is provided by a chemicalvapor deposition process.
 - 13. A method for refurbishing a gas turbine blade made from a textured superalloy body coated with a protective coating, the method comprising the steps of:
- coating a surface of said body with a high temperature stable surface coating, thereby covering said protective coating;

performing a solution heat treatment on the body, thereby maintaining said thermally stable surface coating;

- removing jointly said surface coating and said protective coating; and providing a second protective coating on said body.
 - 14. The method according to claim 13,
- wherein a γ -phase and a γ -phase are present in said superalloy and wherein the temperature of said solution heat treatment is at least the solution temperature of the γ ' phase.
- 35 15. The method according to claim 13, wherein said solution heat treatment is performed with a

temperature above 1100 °C.

- 16. A method for refurbishing a gas turbine blade made from a textured superalloy body coated with a protective coating, the method comprising the steps of: removing the protective coating; coating a surface of said body with a high temperature stable surface coating; performing a solution heat treatment on said body, thereby maintaining said thermally stable surface coating; removing the surface coating; and providing a second protective coating on said body.
- 17. The method according to claim 15,
 15 wherein a γ-phase and a γ'-phase are present in the superalloy and wherein the temperature of said solution heat treatment is at least a solution temperature of the γ'-phase.
- 20 18. The method according to claim 15, wherein said solution heat treatment is performed with a temperature above $1100~^{\circ}\text{C}$.
- 19. The method according to claim 1, 13 or 16,25 wherein the textured article is a single crystal article.
 - 20. The method according to claim 1, 13 or 16, wherein the textured article is a directionally solidified article.
 - 21. The method according to claim 1, wherein said surface is applied with an appropriate surface coating.
- 35 22. The method according to claim 1,

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wherein the surface layer is applied to a region which has been newly built up, in particular has been produced by build-up welding.

- 5 23. The method according to claim 1, wherein the surface layer is applied to a region which surrounds a repaired crack.
- 24. The method according to claim 1,wherein a metallic surface layer, in particular of nickel or cobalt is used.
 - 25. The method according to claim 24, wherein the metallic layer is applied by electroplating.
 - 26. The method according to claim 24, wherein the surface layer is applied by cold gas spraying.
- 27. The method according to claim 24, 25 or 26,20 wherein the surface layer is removed by means of an acid treatment.
 - 28. A method for refurbishing a gas turbine blade made from a textured superalloy body coated with a protective coating, the method comprising the steps of:

coating a surface of said body with a high temperature stable surface coating, thereby covering said protective coating;

- performing a solution heat treatment on the body

 wherein a γ -phase and a γ '-phase are present in said superalloy and wherein the temperature of said solution heat treatment is at least the solution temperature of the γ ' phase, thereby maintaining said thermally stable surface coating;
- removing jointly said surface coating and said protective coating; and

providing a second protective coating on said body, wherein grain recrystallization is suppressed by providing bulk conditions which assure a higher temperature threshold for grain recrystallization.

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29. A method for refurbishing a gas turbine blade made from a textured superalloy body coated with a protective coating, the method comprising the steps of:

removing the protective coating;

coating a surface of said body with a high temperature stable surface coating;

performing a solution heat treatment on said body wherein a γ -phase and a γ ' phase are present in the superalloy and wherein the temperature of said solution heat treatment is at least a solution temperature of the γ '-phase, thereby maintaining said thermally stable surface coating;

removing the surface coating; and providing a second protective coating on said body, wherein grain recrystallization is suppressed by covering areas with said surface coating.

30. A method for recovering texture of a textured article which is made from a superalloy, comprising the steps of:

creating on a surface of the article a high temperature stable surface coating; and

performing a solution heat treatment on said article wherein a γ -phase and a γ '-phase are present in said superalloy and wherein the temperature of said solution heat treatment is at least the solution temperature of the γ '-phase, thereby maintaining said thermally stable surface coating, restoring the microstructure of the textured article, and suppressing grain recrystallization by providing bulk conditions which assure a higher temperature threshold for grain recrystallization.

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- 31. The method according to claim 30, wherein said article is a gas turbine component.
- 32. The method according to claim 31, wherein said gas turbine component is a blade or a vane.
- 33. The method according to claim 30, wherein said superalloy is cobalt-based with precipitations or carbides that provide a strengthening mechanism similar to a γ -phase in Nickel based alloys.